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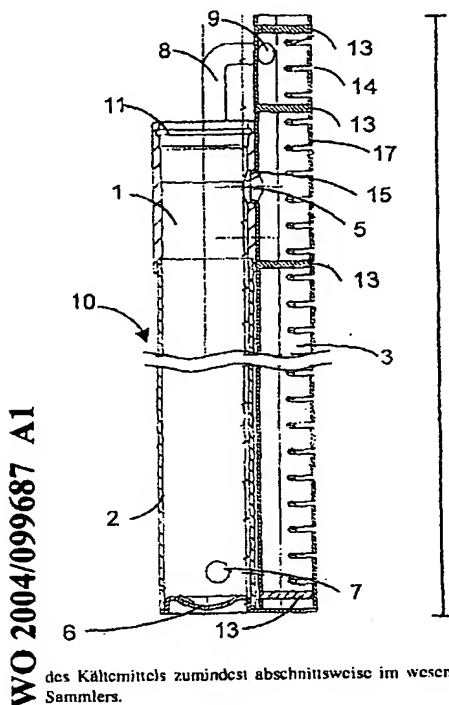
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(54) Title: COOLANT CONDENSING DEVICE

(54) Bezeichnung: VORRICHTUNG ZUM KONDENSIEREN EINES KÄLTEMITTELS



(57) Abstract: The invention relates to a coolant condensing device, in particular for a motor vehicle comprising a plurality of flow elements which are essentially parallel with respect to each other, two distribution devices and/or collectors which are fluidly connected to the corresponding terminal parts of the flow elements, at least one dividing device which separates the distribution devices and/or collectors into at least one first and one second essentially gas and liquid-tight areas, at least one collector which is essentially parallel with respect to at least one of the distribution devices and/or collectors, said collector being provided with at least two fluidic connections to different areas of the distribution devices and/or collectors, and at least one filtering device and/or drying device. Said invention is characterised in that the coolant flow direction in at least one fluidic connection is at least essentially parallel with respect to the coolant flow direction inside the collector.

(57) Zusammenfassung: Vorrichtung zum Kondensieren eines Kältemittels, insbesondere für Kraftfahrzeuge mit einer Vielzahl von im wesentlichen zueinander parallel angeordneten Durchflusseinrichtungen, zwei Verteilungs- und/oder Sammeleinrichtungen, welche an den jeweiligen Endabschnitten der Durchflusseinrichtungen fluidverbunden sind; wenigstens einer Trenneinrichtung, welche die Verteilungs- und/oder Sammeleinrichtungen im wesentlichen gas- und flüssigkeitsdicht in wenigstens einen ersten Bereich und wenigstens einen zweiten Bereich unterteilt; wenigstens einem Sammler, der im wesentlichen parallel zu wenigstens einer der Verteilungs- und/oder Sammeleinrichtungen angeordnet ist und wenigstens zwei Fluidverbindungen zu zwei unterschiedlichen Bereichen dieser Verteilungs- und/oder Sammeleinrichtung aufweist und in welchem wenigstens eine Filtereinrichtung und/oder eine Trocknungseinrichtung, vorgesehen ist. Dabei ist in wenigstens einer der Fluidverbindungen die Strömungsrichtung

des Kältemittels zumindest abschnittsweise im wesentlichen parallel zu der Strömungsrichtung des Kältemittels innerhalb des Sammlers.

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